

AMENDMENTS TO THE CLAIMS

Upon entry of this amendment, the following listing of claims will replace all prior versions and listings of claims in the pending application.

Listing of Claims

1. (Currently amended) A method for virtualizing access to native resources, the method comprising:
 - receiving a request to access a first native resource provided by an operating system from a process executing within a context of an isolation environment including an application isolation layer and a user isolation layer, the request including a virtual name for the first native resource;
 - determining that a rule action specifying ~~remap~~ redirection is associated with the virtual name included in the received request;
 - forming a literal name ~~for the native resource~~ responsive to the rule action and the virtual name, the literal name identifying a ~~literal~~ second native resource ~~of having~~ the same type as the requested resource; and
 - issuing to the operating system a request to access the second native resource, the request including the ~~determined~~ formed literal name ~~for the native resource~~.
2. (Currently amended) The method of claim 1 wherein receiving a request to access a first native resource comprises: receiving a request from a process executing in the context of an isolation environment to access a first named system object, the request including a virtual name for the first named system object.
3. (Cancelled).
4. (Currently amended) The method of claim 1 wherein receiving a request to access a native resource comprises: receiving a request from a process executing in the context of an isolation environment to access a first file system element, the request including a virtual name for the first file system element.

5. (Cancelled).

6. (Currently amended) The method of claim 1 wherein receiving a request to access a native resource comprises: receiving a request from a process executing in the context of an isolation environment to access a first registry key, the request including a virtual name for the first registry key.

7. (Cancelled).

8. (Currently amended) The method of claim 1 wherein receiving a request to access a native resource comprises: receiving a request from a process executing in the context of an isolation environment to access one of a first window and a first window class, the request including one of a virtual name for the first window and a virtual name for the first window class.

9. (Cancelled).

10. (Currently amended) The method of claim 1 wherein forming a literal name further comprises:

accessing a rules engine to determine a rule action associated with the virtual name received in the request; and

forming a literal name for the first native resource responsive to the determined rule, the formed literal name identifying a ~~literal~~ second native resource of the same type as the requested resource.

11. (Currently amended) The method of claim 1 further comprising: receiving a handle from the operating system identifying the ~~accessed object~~ second native resource.

12. (Previously Presented) The method of claim 11 further comprising: transmitting the handle to the process.

13. (Cancelled).

14. (Currently amended) A computer implemented apparatus virtualizing access to native resources provided by an operating system executing on a processor of a computer ~~and virtualizing access to native resources~~, the apparatus comprising:

a hooking mechanism receiving a request to access a first native resource from a process executing in the context of an isolation environment including an application isolation layer and a user isolation layer, the request including a virtual name for the first native resource;

a rules engine storing a rule action associated with the virtual name included in the received request, the rule action specifying ~~remap~~ redirection;

a name virtualization engine forming a literal name ~~for the native resource~~, the formed ~~literal name~~ identifying a literal second native resource of the same type as the requested resource; and

_____an interface of an operating system executing on a processor of a computer, the interface requesting access to the identified ~~literal-second~~ native resource.

15. (Currently amended) The apparatus of claim 14 wherein the hooking mechanism intercepts a request to open a first native resource.

16. (Currently amended) The apparatus of claim 14 wherein the hooking mechanism intercepts a request to create a first native resource.

17. (Cancelled).

18. (Previously Presented) The apparatus of claim 14 wherein the rules engine comprises a database.

19. (Cancelled)

20. (Original) The apparatus of claim 14 wherein the hooking mechanism comprises a file

system filter driver.

21. (Original) The apparatus of claim 14 wherein the hooking mechanism comprises a mini-filter.

22. (Original) The apparatus of claim 14 wherein a native file system comprises the hooking mechanism.